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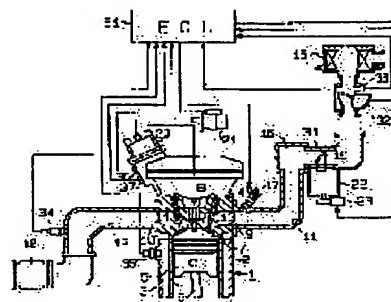
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(54) WARM-UP CONTROL METHOD IN EXHAUST EMISSION CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

(57)Abstract:

PURPOSE: To improve a purification ratio of exhaust gas and suppress unnecessary deterioration of fuel consumption performance by properly performing controlling against various factors for lowering a catalyst temperature without excessively increasing the catalyst temperature.

CONSTITUTION: A catalytic converter 18 is arranged on the way of an exhaust passage 12. An injector 17 and an igniter 21 are electrically connected to an ECU 51, while the respective driving timings are controlled by the operation of the ECU 51. The ECU 51, does not immediately perform delay-angle control of an ignition timing even under a low-load constant running. It performs delay-angle control when a catalyst temperature estimation counting value is lowered to be a specified value, for increasing the temperature of the catalytic converter 18. The delay-angle control is delayed, so that the catalyst temperature is prevented from exceeding an allowable limit value and further excessively increasing during the delay time.



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